

**UTILITY  
PATENT APPLICATION****TRANSMITTAL**

(Only for original applications)

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

Attorney Docket No. 1614.1220

First Named Inventor or Application Identifier:  
Shigemitsu AOKI, et al.

Express Mail Label No.

ADDRESS TO:

**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231**11002 U.S. PTO  
10/08/849  
03/05/02

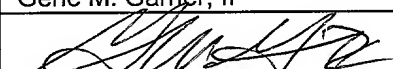
1. ☒ Fee Transmittal Form
2. ☒ Specification, Claims & Abstract .....[Total Pages: 74]
3. ☒ Drawing(s) (35 USC 113) .....[ Total Sheets: 38 ] [FIGS. 1-38B ]
4. ☒ Oath or Declaration .....[Total Pages: 3]
- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63(d))
- i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 CFR 1.63(d)(2) and 1.33(b).
5. ☐ Verified Statement Claiming Small Entity Status
6. ☐ Application Data Sheet. See 37 C.F.R. 1.76
7. ☒ Applicant claims foreign priority benefit to: Japanese Application 2001-70765, 2001-223082, 2001-344703  
filed March 13, 2001, July 24, 2001 and November 9, 2001,  
respectively
8. ☐ CD-Rom or CD-R in duplicate, large table or Computer Program (Appendix)
9. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

10. ☒ Assignment (cover sheet & document(s)) to TAKAMISAWA ELECTRIC CO., LTD of Tokyo, Japan  
☒ for publication of assignee information under 37 CFR 1.215(b)
11. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
12. ☐ English Translation Document (if applicable)
13. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
14. ☐ Preliminary Amendment
15. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
16. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
17. ☐ Request and Certification for Nonpublication under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form  
PTO/SB/35 or its equivalent
18. ☐ Other:

**19. CORRESPONDENCE ADDRESS****21171**

PATENT TRADEMARK OFFICE

<b>NEW APPLICATION FEE TRANSMITTAL</b>		Attorney Docket No.		1614.1220			
		Application Number					
		Filing Date		March 5, 2002			
AMOUNT ENCLOSED		\$ 1914.00		First Named Inventor		Shigemitsu AOKI, et al.	
<b>FEE CALCULATION</b> (fees effective 10/01/01)							
CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS		
	TOTAL CLAIMS	27 - 20 =	7	X \$ 18.00 =	\$ 126.00		
	INDEPENDENT CLAIMS	15 - 3 =	12	X \$ 84.00 =	1008.00		
	MULTIPLE DEPENDENT CLAIMS (any number; if applicable)			+ \$280.00 =			
				BASIC FILING FEE	740.00		
				Total of above Calculations =	\$ 1874.00		
	Surcharge for late filing fee, Oath or Declaration (37 CFR 1.53(f)) (\$130.00)						
	Reduction by 50% for filing by small entity (37 CFR 1.27).						
				TOTAL FILING FEE =	\$ 1874.00		
	Surcharge for filing non-English language application (\$130.00; 37 CFR 1.52(d))						
	Recordation of Assignment (\$40.00; 37 CFR 1.21(h))						40.00
				TOTAL FEES DUE =	\$ 1914.00		
<b>METHOD OF PAYMENT</b>							
<input checked="" type="checkbox"/> Check enclosed as payment. <input type="checkbox"/> Charge "TOTAL FEES DUE" to the Deposit Account No. below. <input type="checkbox"/> No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date).							
<b>GENERAL AUTHORIZATION</b>							
<input checked="" type="checkbox"/> If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to:							
Deposit Account No.		19-3935					
Deposit Account Name		STAAS & HALSEY LLP					
<input checked="" type="checkbox"/> The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.							
<b>SUBMITTED BY: STAAS &amp; HALSEY LLP</b>							
Typed Name		Gene M. Garner, II		Reg. No.		34,172	
Signature				Date		March 5, 2002	